

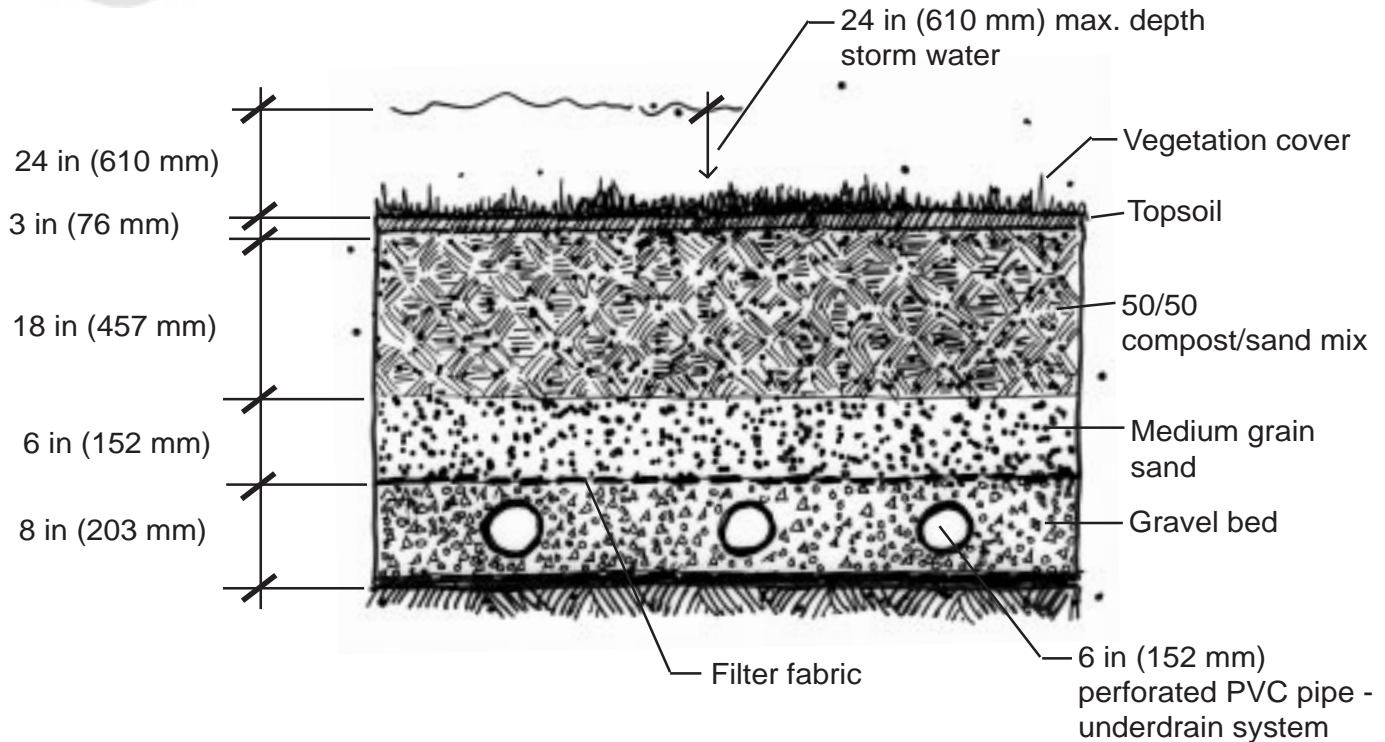
PRIMARY USE: Pollutant removal for areas five acres (two hectares) or less.
ADDITIONAL USES: Infiltration.

PEAT SAND FILTER

What is it? A more pronounced approach than a generic organic-sand filter, the peat-sand filter uses a fabricated soil filtration bed combining the benefits of peat with those of a complex sand underlayer and grass cover.

Purpose

Filtering systems with organic media such as peat or compost may offer increased efficiencies of pollutant removal compared with sand filters alone. This is particularly true with regard to removal of nutrients.



**Peat Sand Filter
Section View**

Limitations

Saprobic peat made up of largely decomposed matter should never be used in this filter structure.

Materials

Medium grained concrete sand as a base course to a peat/sand mix, fibric or hemic peat, pea gravel, perforated pipe, filter fabric, and a vegetation cover, e.g., lawn.

Installation

The type of peat used is critically important. Fibric peat in which undecomposed fibrous organic material is readily identifiable is the preferred type. Hemic peat containing more decomposed material may also be used. (See previous note under "Limitations.")

Source: Design for Stormwater Filtering Systems, Center for Watershed Protection.